

AR18

*EPC & Project Management*



**BANTREL**Group  
Engineers Ltd.





**B**antrel Group Engineers Ltd. was formed in 1983 to provide EPC (engineering, procurement, construction) services to the petroleum industry. Bantrel's performance on a range of assignments for well-known Canadian clients has established its reputation for quality and service.

We are fortunate to have as shareholders five outstanding companies which provide highly skilled and experienced personnel, the most advanced technology, and sound financial backing. Through our shareholders we have access to an unparalleled experience base acquired in Canada and worldwide.

Our range of services can be tailor-made to suit the specific needs of clients, from one-man consulting assignments to multifaceted teams. The Bantrel approach emphasizes quality, flexibility, responsiveness, reliability, and cost-effectiveness.

Bantrel is a competitive and aggressive company with an established track record. Our people, our shareholders, and our technology give us a competitive edge for the future.

A.R. Campbell  
President  
Bantrel Group Engineers Ltd.

Cover left:  
Western Canada oil sands plant

Cover right:  
Computer Aided Design and Drafting



**B**antrel Group Engineers Ltd. specializes in EPC (engineering, procurement, construction) services and project management for the petroleum industry. Bantrel offers world-class engineering and construction expertise and, as a majority-owned Canadian company, maximizes national and regional benefits to Canadians.

Bantrel's shareholders are Bechtel Canada Engineers Limited (40%), Banister Continental Ltd. (20%), Trimac Limited (20%), Bond Architects and Engineers Limited (10%), and Scotia Energy Services Limited (10%). Bantrel has access to the vast resources of its shareholder companies, including the technology and systems developed for large-scale international projects.

Bantrel has completed projects of many types and sizes for Canada's foremost energy companies and has earned a reputation for quality, reliability, and responsiveness. Headquartered in Calgary, Alberta, Bantrel is represented across Canada and internationally by its shareholders. Bantrel looks forward to participating in Canada's major construction projects in the twentieth century — and beyond.



*North Sea drilling and production platform*



## BANTREL'S SERVICES

The range of services offered by Bantrel is second-to-none in Canada. Equally important is the company's flexibility and versatility in meeting clients' needs. All of Bantrel's services can be provided on an individual basis, and every service can be integrated with others to form a combination suited to the requirements of the project.

**Engineering** is the heart of Bantrel's operations. From feasibility and technical studies to the detailed design of facilities, Bantrel offers a complete range of engineering expertise. Bantrel has earned its reputation for high-quality engineering through years of experience on some of the world's largest and most complex engineering projects.

**Procurement** is the vital link between project design and project execution. Bantrel's procurement experts have world-class experience on all types and sizes of projects.

**Construction services** can be provided as construction management or direct-hire construction. Through its shareholders, Bantrel has access to personnel and equipment resources for projects ranging from offshore construction, to underground pipelines and utility services, to large-scale power projects.

**Project management** is available for all types of construction projects, large or small. Bantrel's experienced project managers and engineers are supported by complete technical services and trained technical personnel.

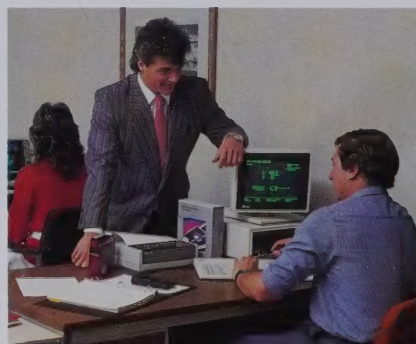
**Special engineering services** include CADD (Computer Aided Design Drafting), plant performance evaluation, computer services, hazard and operability analysis, and quality assurance programs. Many of the tools and techniques used by Bantrel for project work are offered on an individual basis as special services.



*Utilizing a scale model*



*Canadian refinery*



*Computer centre*

**Technical support** can be provided through secondment of Bantrel personnel, either individually or in teams. Total integration with the client's staff over the duration of a project maximizes productivity and cost efficiency.

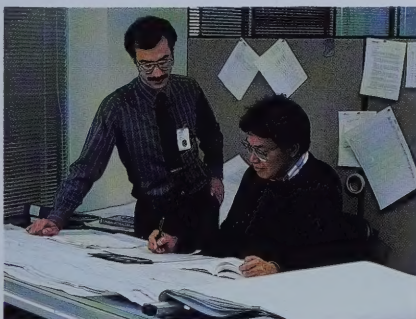




*Western Canada oil sands plant*

**Plant services** include commissioning, start-up, operation, maintenance, and upgrading. Bantrel is experienced in all aspects of plant operation and management and can provide a full range of services.

**Financial services** are another area in which Bantrel can assist with clients' needs. Bantrel's reputation with banking institutions and the financial strength of Bantrel's shareholders enable the company to offer financing to selected clients.



*Drafting facility*

**Mapping services** for the oil and gas industry are offered by Bantrel. Experience, technical knowledge, and the CADD system form a unique combination of resources to meet clients' mapping requirements.

**Management and corporate consulting services** can also be provided. Bantrel's experienced management team is available for consultation on a wide variety of management and corporate concerns.

## BANTREL'S EXPERIENCE

Bantrel's services are backed by extensive experience both in Canada and internationally. In addition to the impressive track records of its shareholders, Bantrel has earned its own reputation for quality, reliability, and responsiveness to clients' needs. Bantrel can successfully undertake a wide range of projects with top-quality results.

**Heavy oil production and upgrading** is an industry in which Bantrel has been very active. The company has carried out work for a number of heavy oil projects in Canada, including Husky Oil's bi-provincial upgrader at Lloydminster, Alberta and the proposed heavy oil production facility for BP Canada at Wolf Lake, Alberta.

**Tarsands development** at Fort McMurray, Alberta is one of the largest projects in the history of the petroleum industry. Bantrel has been extensively involved in both the Syncrude and Suncor facilities.

**Refinery work** has included everything from small-scale upgrading to major plant expansions. Services provided by Bantrel range from front-end process studies to complete EPC packages.

**Petrochemical projects** undertaken by Bantrel have included modifications and additions to existing plants, as well as "grass-roots" construction of large-scale facilities. Typical of Bantrel's work in this field is a polyethylene pelletizer completed for Esso Chemical at Sarnia, Ontario.



*Heavy oil plant*



*Module transportation by barge*



**Fertilizer plants** have been completed in Alberta and Ontario by Bechtel Canada Engineers Limited, a Bantrel shareholder. Bechtel supplied full EPC services for Esso Chemical's Redwater project, which included ammonia, urea, and extensive additional facilities. For CIL's Courtright project, Bechtel provided construction management services.

**Offshore oil and gas production**, still in its infancy in Canada, will become increasingly important in the future. The worldwide experience of Bantrel's shareholders is unequalled in the industry and includes work in the North Sea, Gulf of Mexico, and California.

**Arctic oil and gas production** is also an area in which extensive future development is expected. Bantrel's

shareholders have worked throughout northern Canada and the Arctic and are familiar with the special demands of this challenging environment.

**Gas production and processing** is another industry in which the company has extensive experience. Bantrel can handle all phases of processing and production projects, including wellhead and gathering system design and construction, plant evaluation and optimization, and grass-roots gas plant design and construction.

**Pipelines** to transport oil, gas, and petroleum products are constantly being expanded and upgraded. Bantrel's shareholders have engineered and constructed all types and sizes of pipelines in Canada and worldwide.



*Western Canada gas plant*

In addition to its own experienced and dedicated professionals, Bantrel can call upon a work force of more than 40,000 employees worldwide. Whether one person or a team of several thousand is required, Bantrel can handle the assignment efficiently and effectively. This enables the company to successfully execute projects ranging in size from very small to very large.

Canada's largest engineering and construction experience base is found in Bantrel. Outstanding personnel, well-established shareholder companies, and world-class technology give Bantrel a competitive advantage. The most technically, environmentally, and geographically challenging projects can be undertaken and successfully completed by this unique company.



*Gulf of Mexico platform*



*Western Canada oil sands plant*



*Bantrel's Management*  
Left to right: Roger Mapp, Gareth Walters,  
Boyd Harris, Paul Lovell, Rae Campbell.



Bantrel Group Engineers Ltd. specializes in EPC (engineering, procurement, construction) work in the Canadian petroleum sector. World-class engineering and construction expertise and a wide range of technical services are offered by Bantrel.

Bantrel was formed in 1983 by Bechtel Canada Engineers Limited, Banister Continental Ltd., Trimac Limited, Bond Architects and Engineers Limited, and Scotia Energy Services Limited. Located in Calgary, it is represented across Canada and internationally by its shareholders.

**Bantrel Group Engineers Ltd.**

703-6 AVENUE SW.  
P.O. BOX 1990, STATION "M"  
CALGARY, ALBERTA  
CANADA T2P 4C9  
PHONE: (403) 290-5000  
TELEX: 038-22653  
TELECOPIER: (403) 290-5050

**BANTREL** Group  
Engineers Ltd.

703-6 AVENUE S.W.  
P.O. BOX 1990, STATION "M"  
CALGARY, ALBERTA  
CANADA T2P 4C9  
PHONE: (403) 290-5000  
TELEX: 038-22653  
TELECOPIER: (403) 290-5050